Ä°rÅadi M Aksun

List of Publications by Year
in descending order

52	1,782	430442	315357
papers	citations	18 h-index	38 g-index

53	53	53	553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A robust approach for the derivation of closed-form Green's functions. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 651-658.	2.9	365
2	Closed-form Green's functions for general sources and stratified media. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 1545-1552.	2.9	209
3	Derivation of closed-form Green's functions for a general microstrip geometry. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 2055-2062.	2.9	138
4	Microwave performance of a quarter-micrometer gate low-noise pseudomorphic InGaAs/AlGaAs modulation-doped field effect transistor. IEEE Electron Device Letters, 1986, 7, 649-651.	2.2	115
5	Closed-Form Green's Functions in Planar Layered Media for All Ranges and Materials. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 602-613.	2.9	102
6	Clarification of issues on the closed-form Green's functions in stratified media. IEEE Transactions on Antennas and Propagation, 2005, 53, 3644-3653.	3.1	91
7	On slot-coupled microstrip antennas and their applications to CP operation-theory and experiment. IEEE Transactions on Antennas and Propagation, 1990, 38, 1224-1230.	3.1	70
8	Comparative study of acceleration techniques for integrals and series in electromagnetic problems. Radio Science, 1995, 30, 1713-1722.	0.8	69
9	Efficient use of closed-form Green's functions for the analysis of planar geometries with vertical connections. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 593-603.	2.9	58
10	Analytical evaluation of the MoM matrix elements. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 519-525.	2.9	56
11	Microwave performance of InAlAs/InGaAs/InP MODFET's. IEEE Electron Device Letters, 1987, 8, 24-26.	2.2	51
12	Choices of expansion and testing functions for the method of moments applied to a class of electromagnetic problems. IEEE Transactions on Microwave Theory and Techniques, 1993, 41, 503-509.	2.9	49
13	Performance of quarterâ€micron GaAs metalâ€semiconductor fieldâ€effect transistors on Si substrates. Applied Physics Letters, 1986, 49, 1654-1655.	1.5	43
14	Electromagnetic scattering solution of conducting strips in layered media using the fast multipole method. , 1996, 6, 277.		43
15	Numerically efficient analysis of planar microstrip configurations using closed-form Green's functions. IEEE Transactions on Microwave Theory and Techniques, 1995, 43, 394-400.	2.9	37
16	Design of dual-frequency probe-fed microstrip antennas with genetic optimization algorithm. IEEE Transactions on Antennas and Propagation, 2003, 51, 1947-1954.	3.1	37
17	Use of computationally efficient method of moments in the optimization of printed antennas. IEEE Transactions on Antennas and Propagation, 1999, 47, 725-732.	3.1	31
18	Estimation of spurious radiation from microstrip etches using closed-form Green's functions. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 2063-2069.	2.9	30

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19	Spectral self-interference fluorescence microscopy. Journal of Applied Physics, 2004, 96, 5311-5315.	1.1	26
20	Coplanar waveguide-fed microstrip antennas. Microwave and Optical Technology Letters, 1991, 4, 292-295.	0.9	14
21	Spurious radiation from microstrip interconnects. IEEE Transactions on Electromagnetic Compatibility, 1993, 35, 148-158.	1.4	14
22	GaAs on Si as a substrate for microwave and millimeter-wave monolithic integration. IEEE Transactions on Microwave Theory and Techniques, 1988, 36, 160-162.	2.9	13
23	An efficient method for electromagnetic characterization of 2-D geometries in stratified media. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1264-1274.	2.9	13
24	Determining the Effective Constitutive Parameters of Finite Periodic Structures: Photonic Crystals and Metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1423-1434.	2.9	11
25	Comparative evaluation of absorbing boundary conditions using Green's functions for layered media. IEEE Transactions on Antennas and Propagation, 1996, 44, 152-156.	3.1	10
26	An Efficient Full-Wave Simulation Algorithm for Multiple Vertical Conductors in Printed Circuits. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3739-3745.	2.9	10
27	Discrete Complex Image Method With Spatial Error Criterion. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 793-802.	2.9	9
28	A Rigorous and Efficient Analysis of 3-D Printed Circuits: Vertical Conductors Arbitrarily Distributed in Multilayer Environment. IEEE Transactions on Antennas and Propagation, 2007, 55, 3726-3729.	3.1	8
29	Bridging the Gap between RF and Optical Patch Antenna Analysis via the Cavity Model. Scientific Reports, 2015, 5, 15941.	1.6	8
30	Double-slot-fed microstrip antennas for circular polarization operation. Microwave and Optical Technology Letters, 1989, 2, 343-346.	0.9	6
31	Critical study of the problems in discrete complex image method. , 2003, , .		6
32	Efficient evaluation of spatial-domain MoM matrix entries in the analysis of planar stratified geometries. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 309-312.	2.9	4
33	Closed-form representations of field components of fluorescent emitters in layered media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1458.	0.8	4
34	Current status of closed-form Green's functions in layered media composed of natural and artificial materials. , 2009, , .		4
35	Enhancing the Robustness of the Discrete Complex Image Method for Planar Multilayered Media. , 2007, , .		3
36	Discrete complex image method for planar multilayers with uniaxial anisotropy. , 2007, , .		3

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37	Enhancement of Resolution and Propagation Length by Sources with Temporal Decay in Plasmonic Devices. Plasmonics, 2020, 15, 2137-2146.	1.8	3
38	A generalized eigenvalue method for fdtd analyses. Microwave and Optical Technology Letters, 1993, 6, 552-554.	0.9	2
39	A numerically efficient technique for the analysis of slots in multilayer media. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 430-432.	2.9	2
40	Discrete Complex Image Method With Automatic Order Selection. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2385-2393.	2.9	2
41	A novel approach for the efficient and accurate computation of sommerfeld integral tails. , 2015, , .		2
42	A Novel Approach for the Efficient Computation of 1-D and 2-D Summations. IEEE Transactions on Antennas and Propagation, 2016, 64, 1014-1022.	3.1	2
43	Simple and efficient analysis for a slotâ€coupled patch antenna with a microstrip line feed. Microwave and Optical Technology Letters, 1991, 4, 335-341.	0.9	1
44	Analysis of a Slot Excited by a Semi-Infinite Microstrip Transmission Line. Journal of Electromagnetic Waves and Applications, 1992, 6, 341-358.	1.0	1
45	Comments on the problems in DCIM. , 0, , .		1
46	Efficient methods for electromagnetic characterization of 2-D geometries in stratified media. , 0, , .		0
47	Characterization of Finite Photonic Crystals. , 2008, , .		0
48	Thickness dependent behavior of surface plasmon polaritons in layered media. , 2008, , .		0
49	Characterization of Finite Photonic Crystals With Defects. IEEE Journal of Quantum Electronics, 2011, 47, 406-413.	1.0	0
50	Discrete complex image method with spatial error criterion and automatic order selection. , 2011, , .		0
51	A GIS-Aided Frequency Planning Tool for Terrestrial Broadcasting and Land Mobile Services. , 2002, , 157-171.		0
52	Full Particulars of Surface Plasmon Polariton Dispersion Relation in Multi-Layered Media. , 2016, , .		0